

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091417\
 Data File : BE094006.D
 Acq On : 14 Sep 2017 15:23
 Operator : SJ/JU
 Sample : I5189-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C-MW-09-090717

Quant Time: Sep 15 00:51:17 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 13:34:56 2017
 Response via : Initial Calibration

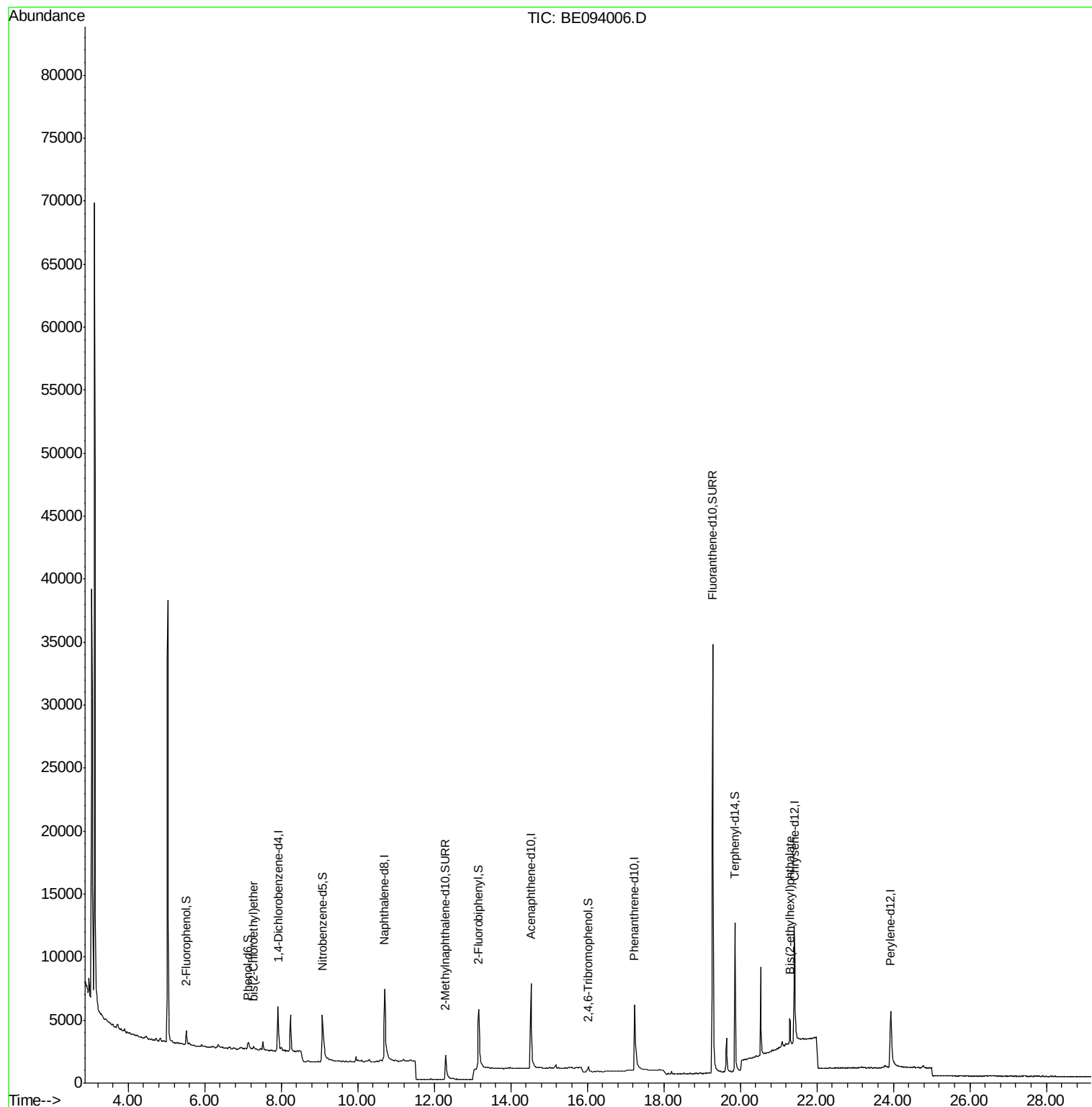
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2018	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	9214	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	5553	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	12453	0.40	ng	-0.03
27) Chrysene-d12	21.41	240	12784	0.40	ng	-0.01
34) Perylene-d12	23.93	264	10311	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.52	112	819	0.13	ng	-0.01
5) Phenol-d6	7.12	99	628	0.06	ng	0.00
8) Nitrobenzene-d5	9.08	82	2678	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	5013	0.34	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	520	0.30	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	7874	0.36	ng	0.00
25) Fluoranthene-d10	19.27	212	54878	0.30	ng	0.00
29) Terphenyl-d14	19.86	244	12353	0.53	ng	-0.02
Target Compounds						
6) bis(2-Chloroethyl)ether	7.28	93	197	0.025	ng	# 1
20) 4-Bromophenyl-phenylether	16.32	248	2	Below Cal	#	37
23) Phenanthrene	17.30	178	190	Below Cal	#	1
32) Bis(2-ethylhexyl)phthalate	21.29	149	3109	0.033	ng	# 100

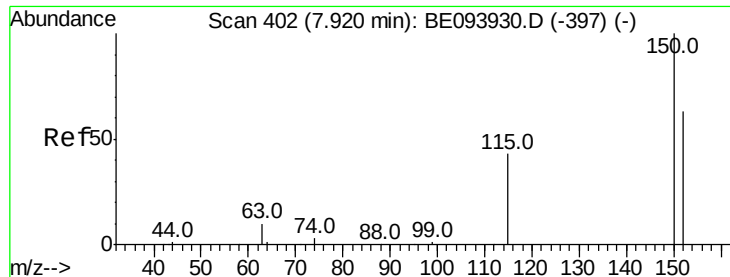
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091417\
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C-MW-09-090717

Quant Time: Sep 15 00:51:17 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 05 13:34:56 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.92 min Scan# 402

Delta R.T. 0.00 min

Lab File: BE094006.D

Acq: 14 Sep 2017 15:23

Instrument :

BNA_E

ClientSampleId :

C-MW-09-090717

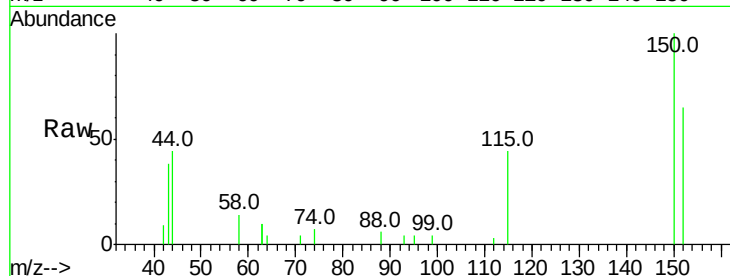
Tot Ion:152 Resp: 2018

Ion Ratio Lower Upper

152 100

150 153.6 121.8 182.6

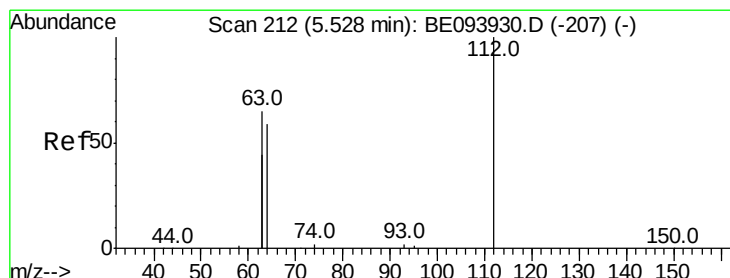
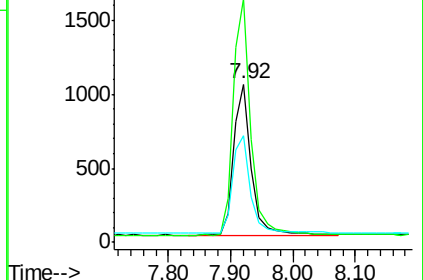
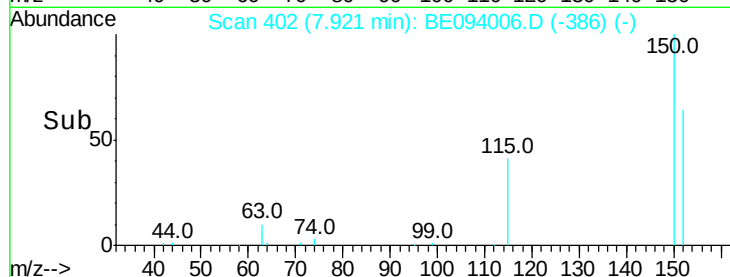
115 67.2 52.6 79.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.125 ng

RT: 5.52 min Scan# 211

Delta R.T. -0.01 min

Lab File: BE094006.D

Acq: 14 Sep 2017 15:23

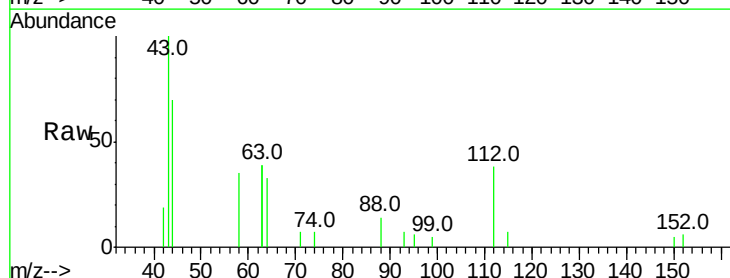
Tgt Ion:112 Resp: 819

Ion Ratio Lower Upper

112 100

64 72.2 57.7 86.5

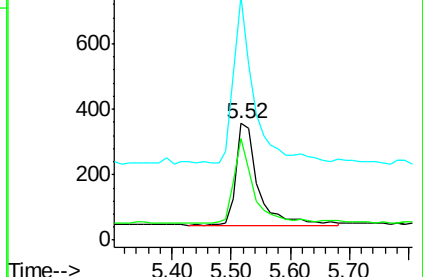
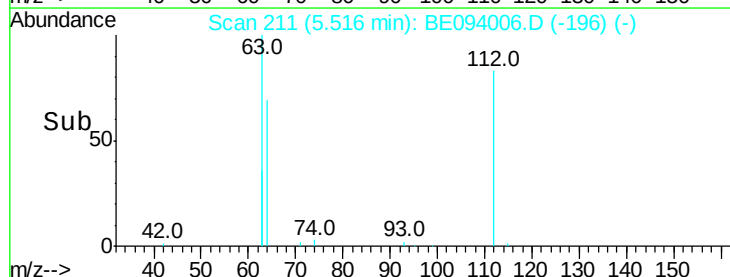
63 145.2 116.0 174.0

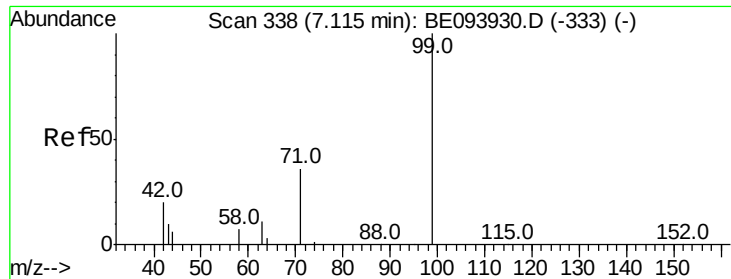


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.064 ng

RT: 7.12 min Scan# 338

Delta R.T. 0.00 min

Lab File: BE094006.D

Acq: 14 Sep 2017 15:23

Instrument :

BNA_E

ClientSampleId :

C-MW-09-090717

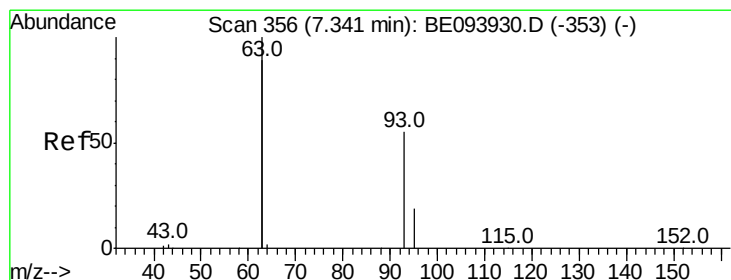
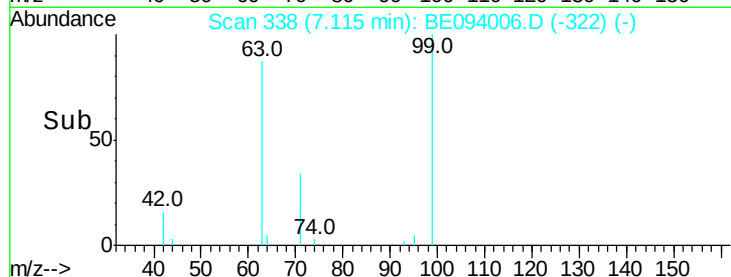
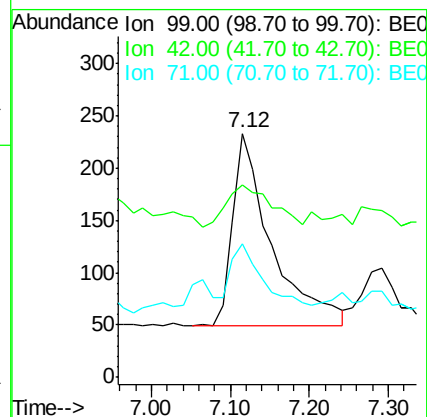
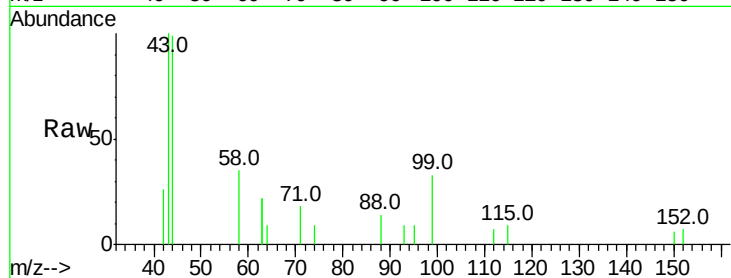
Tot Ion: 99 Resp: 628

Ion Ratio Lower Upper

99 100

42 25.0 17.1 25.7

71 24.8 26.6 39.8#



#6

bis(2-Chloroethyl)ether

Concen: 0.025 ng

RT: 7.28 min Scan# 351

Delta R.T. -0.06 min

Lab File: BE094006.D

Acq: 14 Sep 2017 15:23

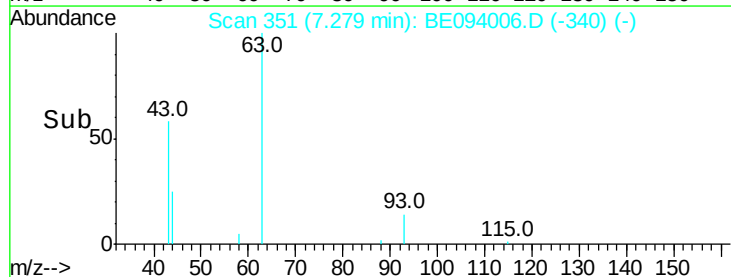
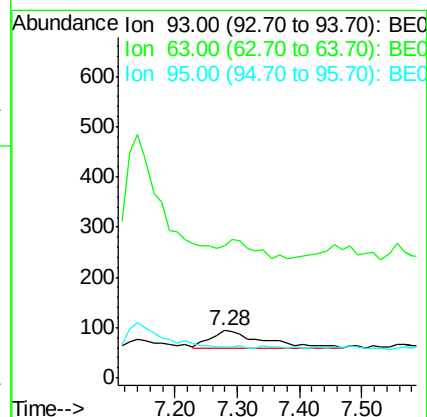
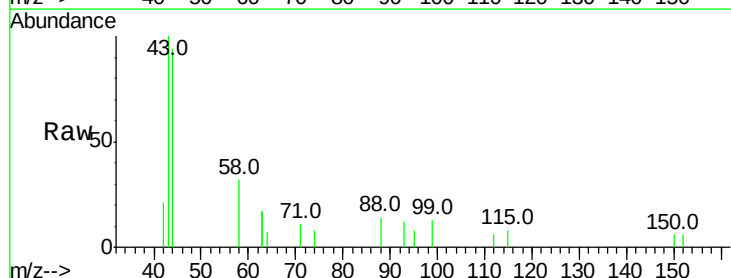
Tgt Ion: 93 Resp: 197

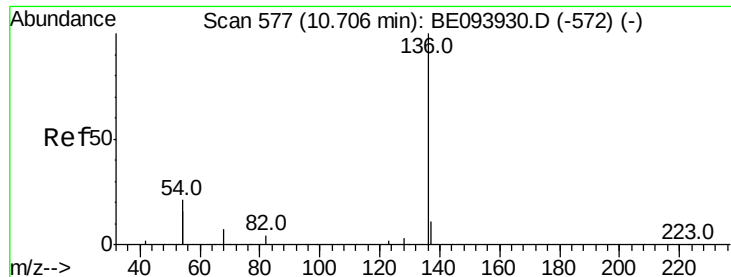
Ion Ratio Lower Upper

93 100

63 61.4 283.4 425.2#

95 0.0 26.9 40.3#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE094006.D

Acq: 14 Sep 2017 15:23

Instrument :

BNA_E

ClientSampleId :

C-MW-09-090717

Tot Ion:136 Resp: 9214

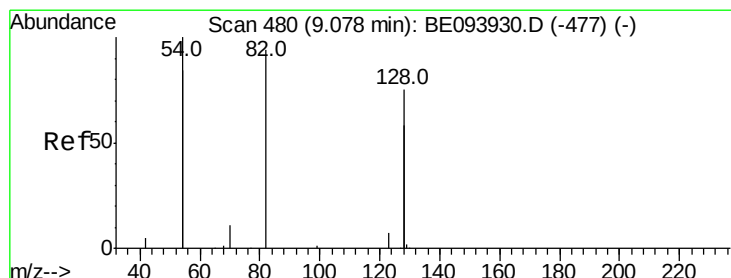
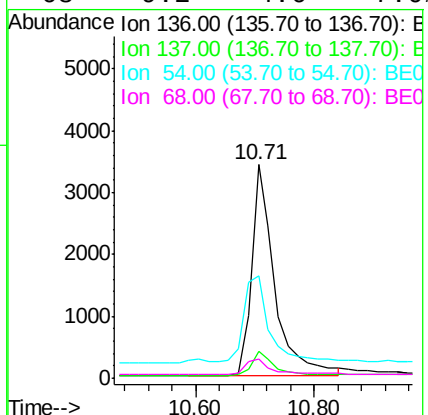
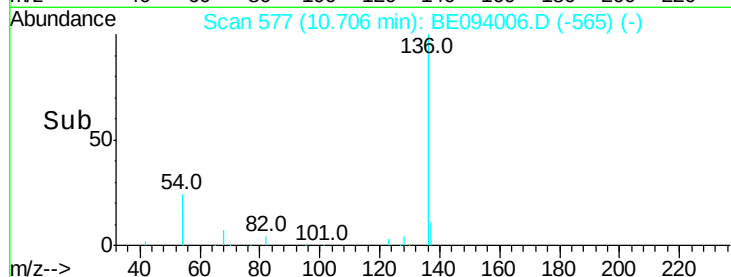
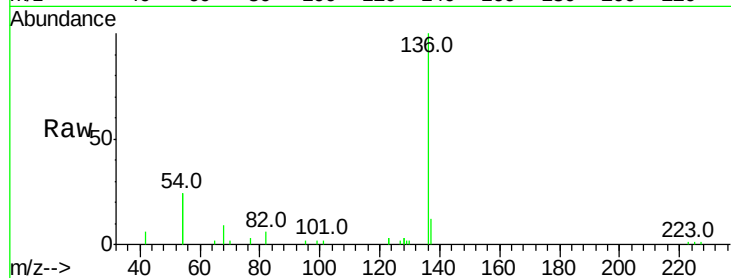
Ion Ratio Lower Upper

136 100

137 12.4 9.2 13.8

54 48.0 21.9 32.9#

68 9.2 4.6 7.0#



#8

Nitrobenzene-d5

Concen: 0.344 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE094006.D

Acq: 14 Sep 2017 15:23

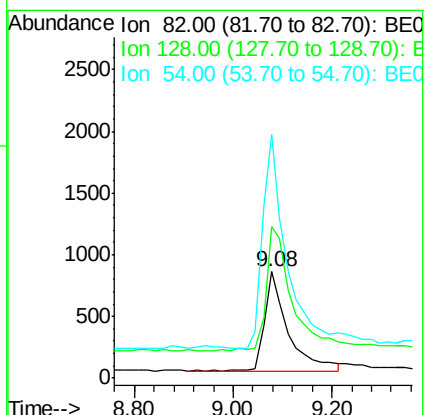
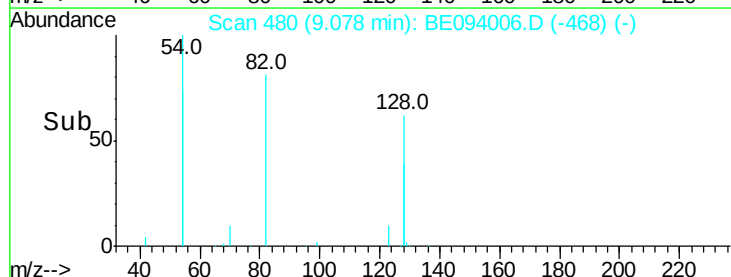
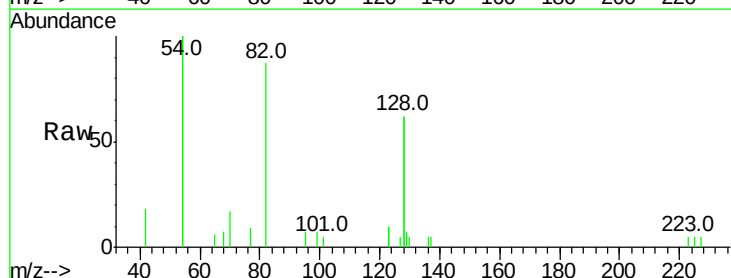
Tgt Ion: 82 Resp: 2678

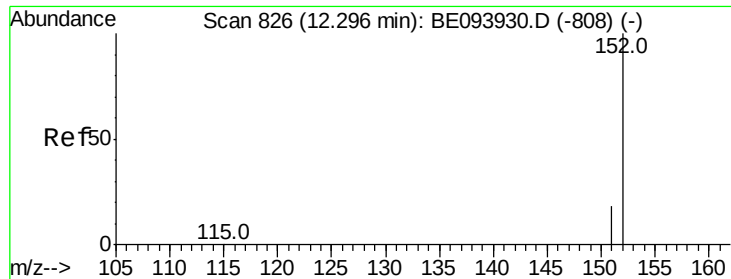
Ion Ratio Lower Upper

82 100

128 142.1 91.4 137.0#

54 228.7 197.8 296.8

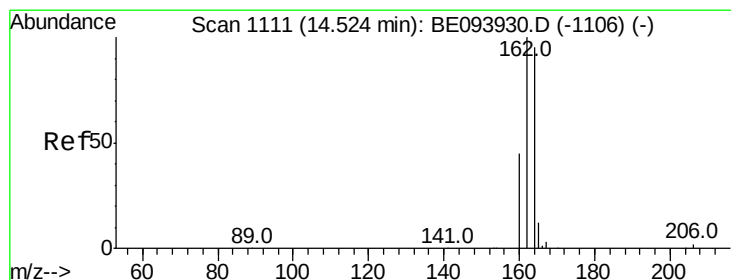
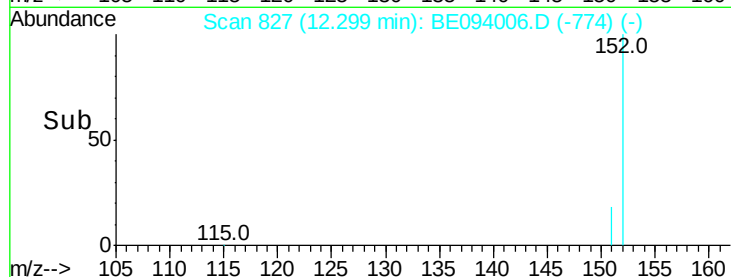
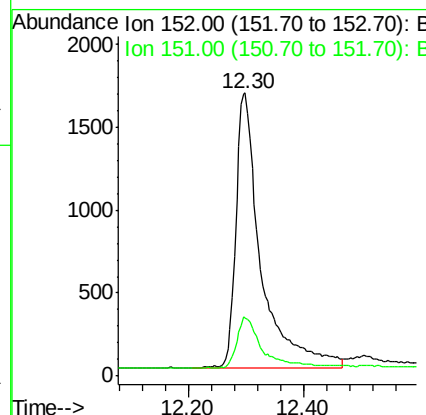
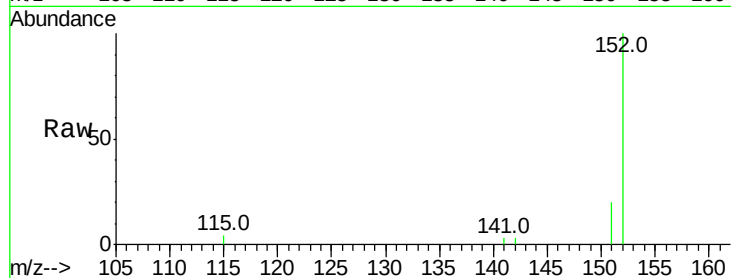




#11
2-Methylnaphthalene-d10
Concen: 0.340 ng
RT: 12.30 min Scan# 827
Delta R.T. 0.00 min
Lab File: BE094006.D
Acq: 14 Sep 2017 15:23

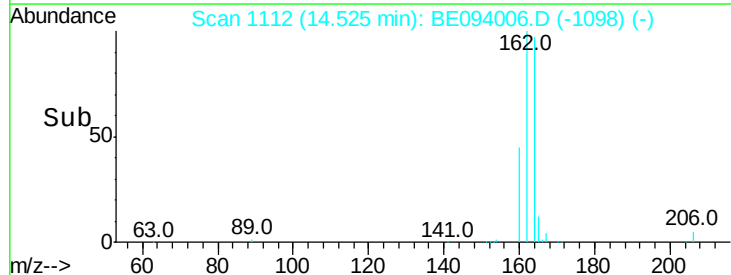
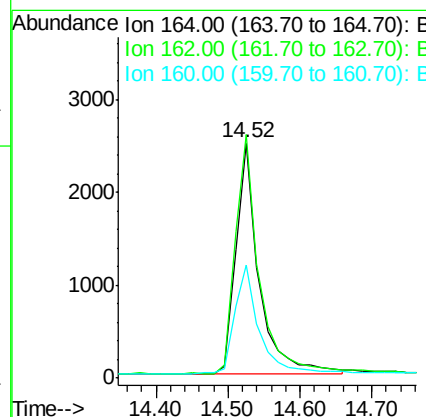
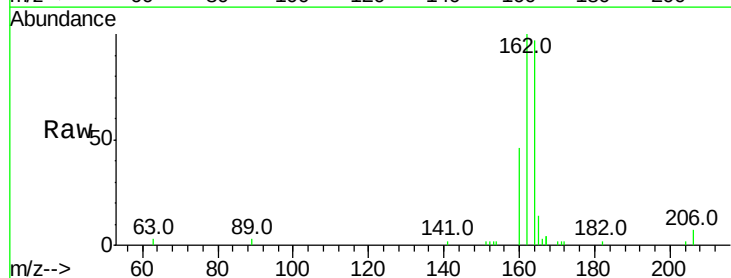
Instrument :
BNA_E
ClientSampleId :
C-MW-09-090717

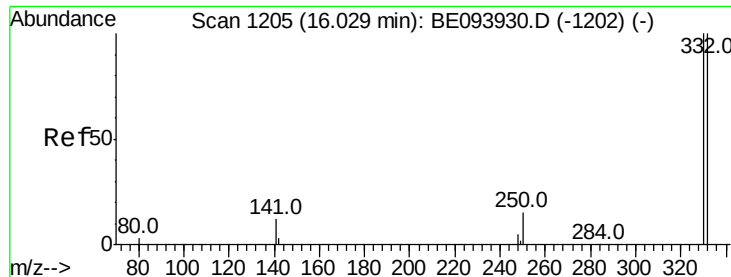
Tot Ion:152 Resp: 5013
Ion Ratio Lower Upper
152 100
151 17.5 15.4 23.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.52 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BE094006.D
Acq: 14 Sep 2017 15:23

Tgt Ion:164 Resp: 5553
Ion Ratio Lower Upper
164 100
162 103.5 80.8 121.2
160 47.8 37.0 55.4





#14

2,4,6-Tribromophenol

Concen: 0.302 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE094006.D

Acq: 14 Sep 2017 15:23

Instrument :

BNA_E

ClientSampleId :

C-MW-09-090717

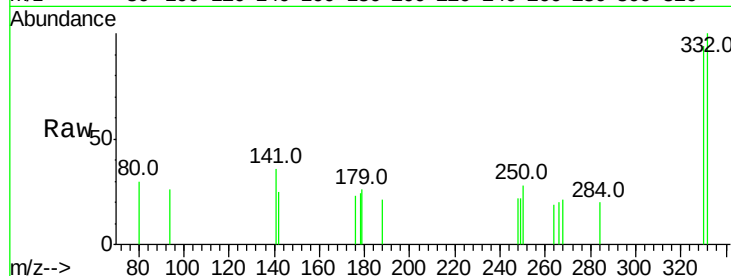
Tot Ion:330 Resp: 520

Ion Ratio Lower Upper

330 100

332 100.0 76.9 115.3

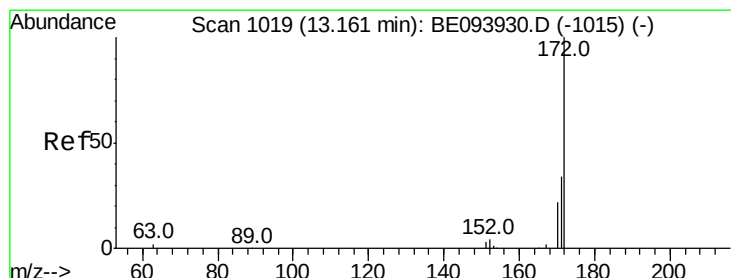
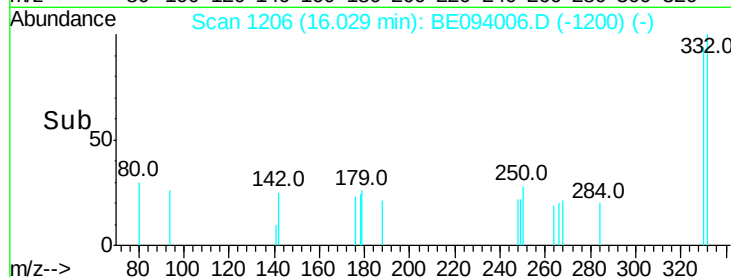
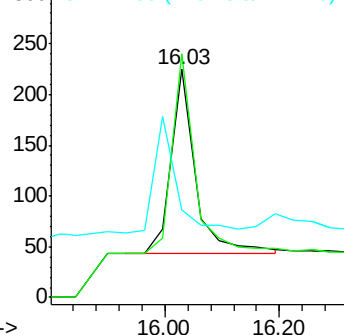
141 0.0 0.0 0.0



Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#15

2-Fluorobiphenyl

Concen: 0.359 ng

RT: 13.16 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BE094006.D

Acq: 14 Sep 2017 15:23

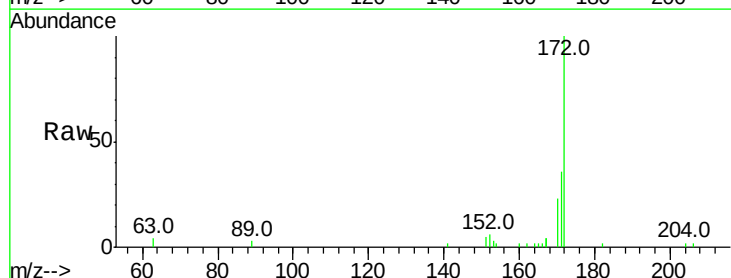
Tgt Ion:172 Resp: 7874

Ion Ratio Lower Upper

172 100

171 36.3 26.9 40.3

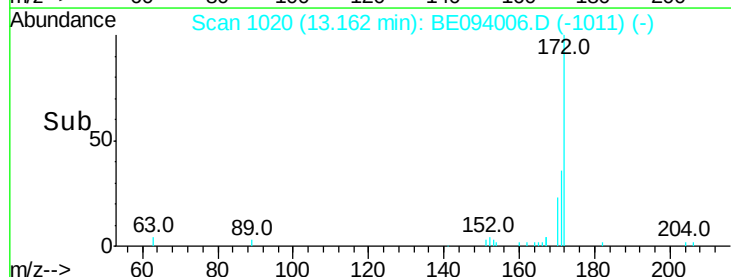
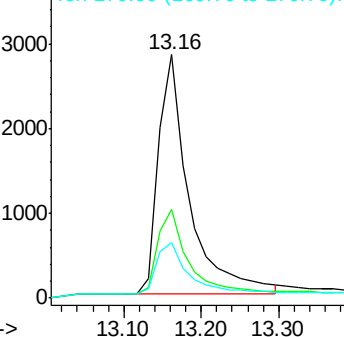
170 23.0 17.3 25.9

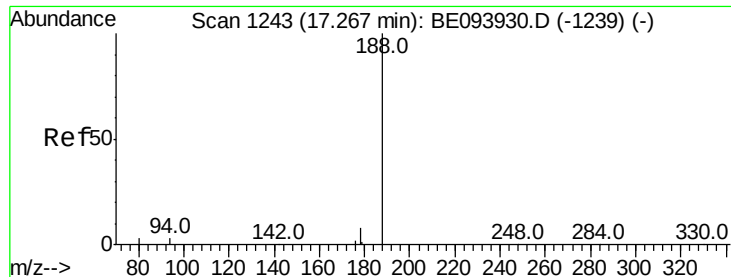


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE094006.D

Acq: 14 Sep 2017 15:23

Instrument :

BNA_E

ClientSampleId :

C-MW-09-090717

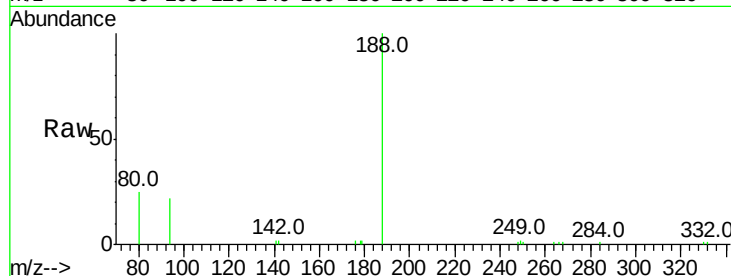
Tot Ion:188 Resp: 12453

Ion Ratio Lower Upper

188 100

94 21.9 16.1 24.1

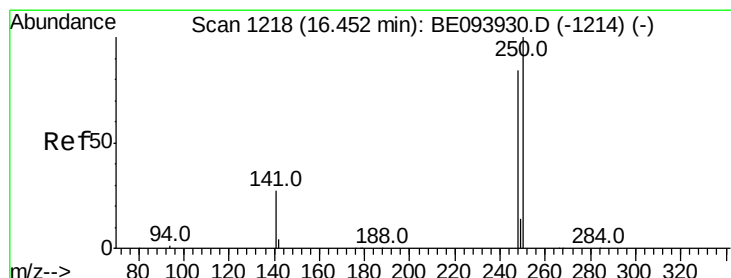
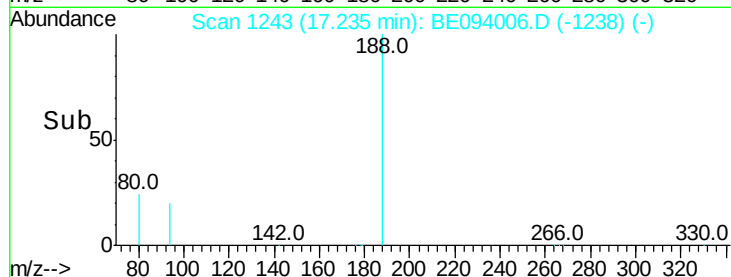
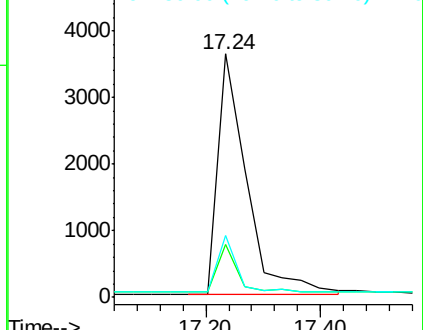
80 25.5 18.2 27.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.32 min Scan# 1215

Delta R.T. -0.13 min

Lab File: BE094006.D

Acq: 14 Sep 2017 15:23

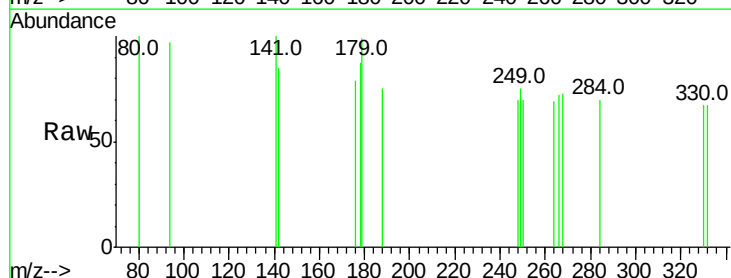
Tgt Ion:248 Resp: 2

Ion Ratio Lower Upper

248 100

250 100.0 111.8 167.8#

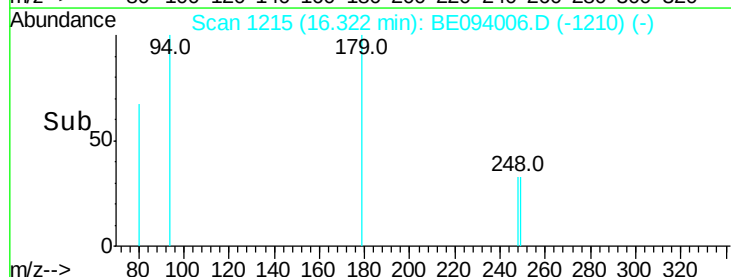
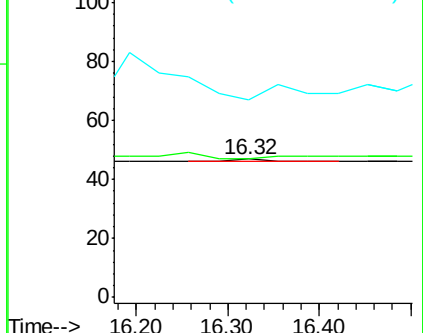
141 142.6 27.1 40.7#

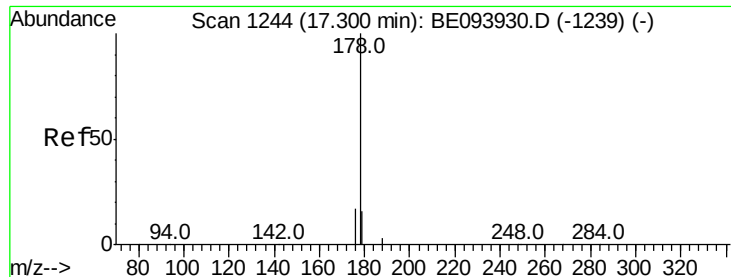


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#23

Phenanthrene

Concen: Below Cal

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE094006.D

Acq: 14 Sep 2017 15:23

Instrument :

BNA_E

ClientSampleId :

C-MW-09-090717

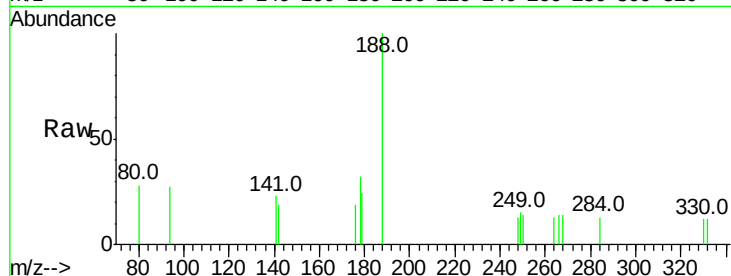
Tot Ion:178 Resp: 190

Ion Ratio Lower Upper

178 100

176 34.7 0.0 0.0#

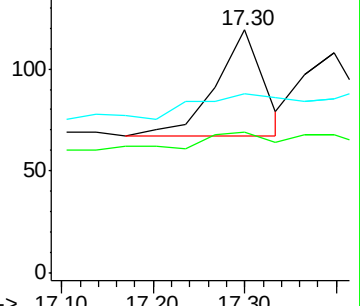
179 71.1 12.6 18.8#



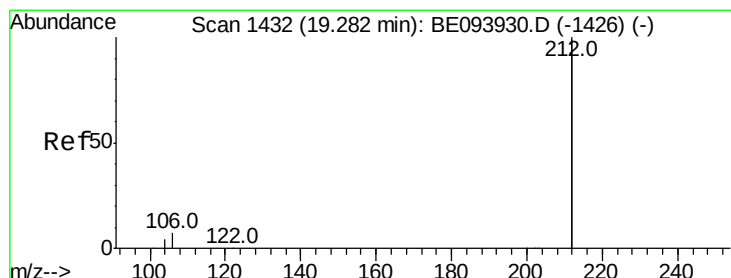
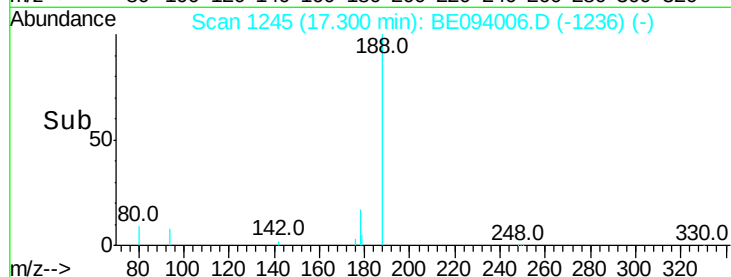
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.296 ng

RT: 19.27 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE094006.D

Acq: 14 Sep 2017 15:23

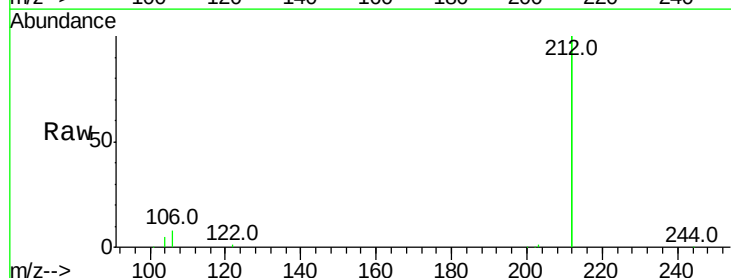
Tgt Ion:212 Resp: 54878

Ion Ratio Lower Upper

212 100

106 3.4 2.7 4.1

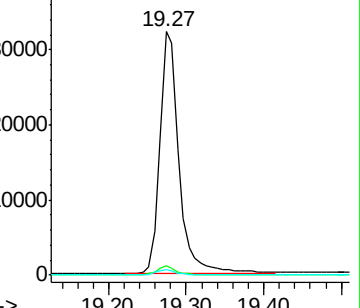
104 2.0 1.6 2.4



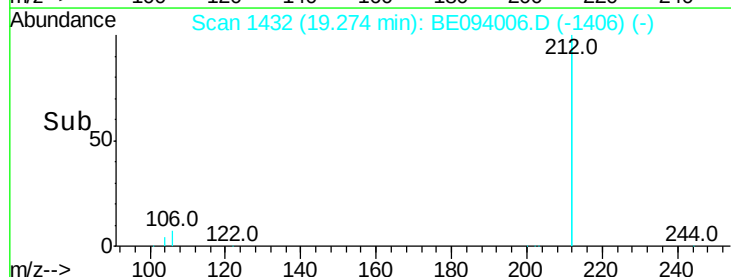
Abundance Ion 212.00 (211.70 to 212.70): E

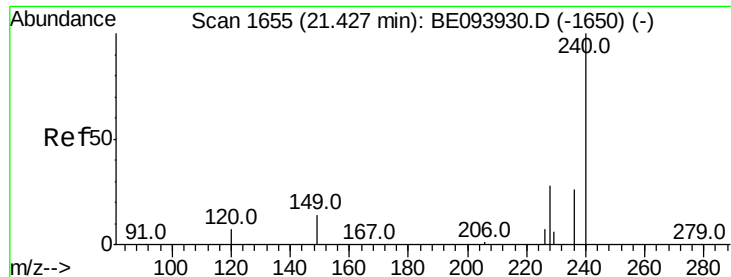
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.41 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BE094006.D

Acq: 14 Sep 2017 15:23

Instrument :

BNA_E

ClientSampleId :

C-MW-09-090717

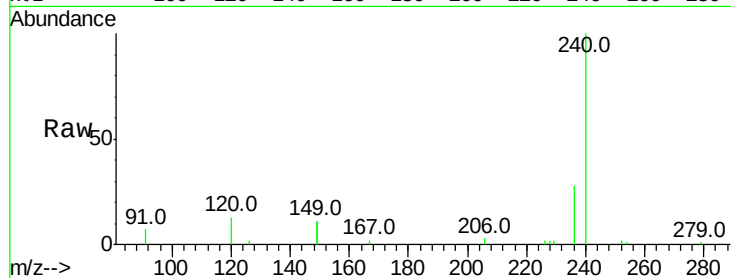
Tot Ion:240 Resp: 12784

Ion Ratio Lower Upper

240 100

120 12.6 8.7 13.1

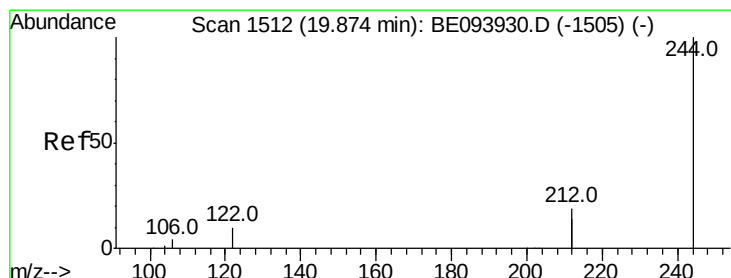
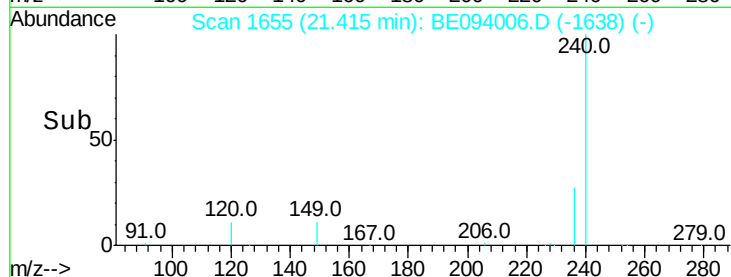
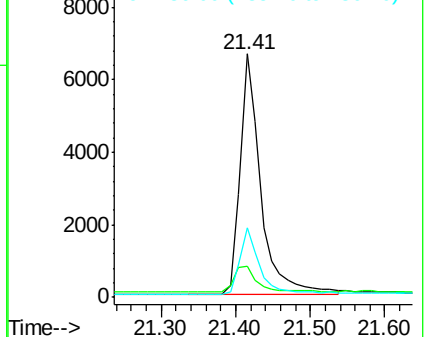
236 28.3 21.3 31.9



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#29

Terphenyl-d14

Concen: 0.525 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.02 min

Lab File: BE094006.D

Acq: 14 Sep 2017 15:23

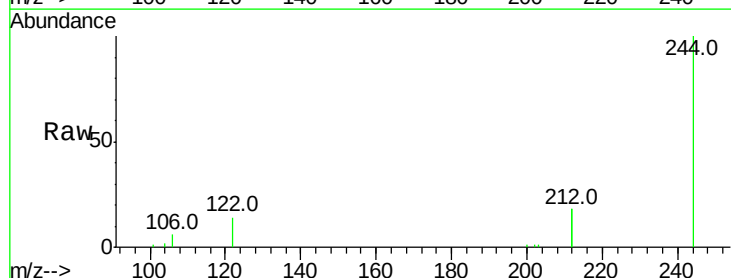
Tgt Ion:244 Resp: 12353

Ion Ratio Lower Upper

244 100

212 35.5 28.3 42.5

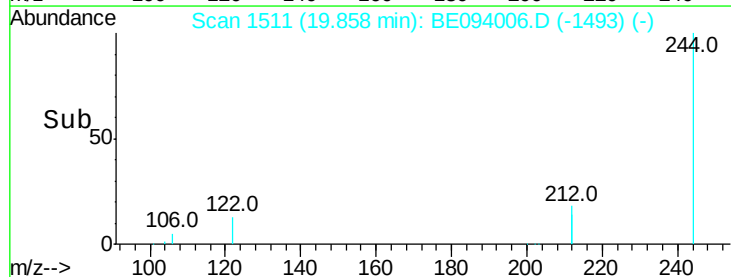
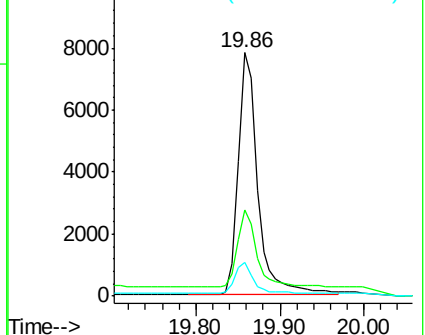
122 13.7 9.4 14.0

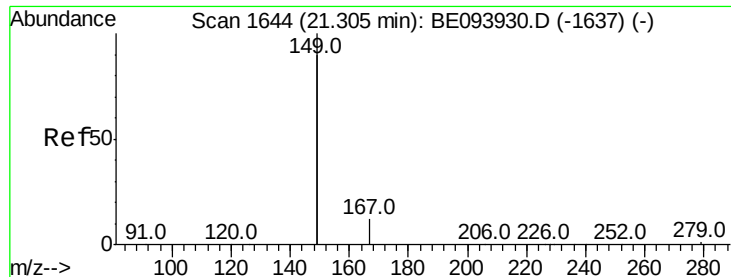


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

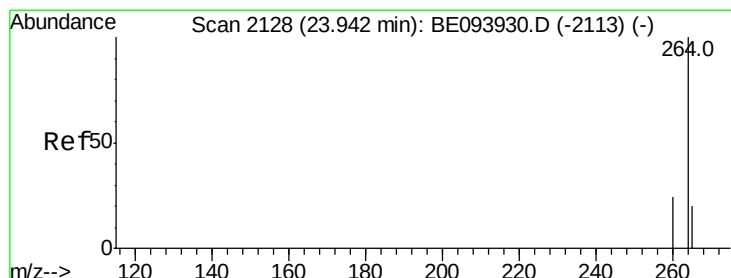
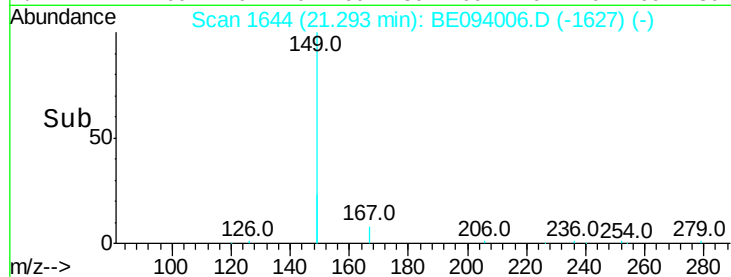
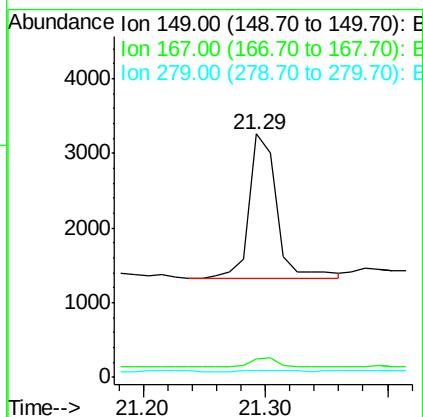
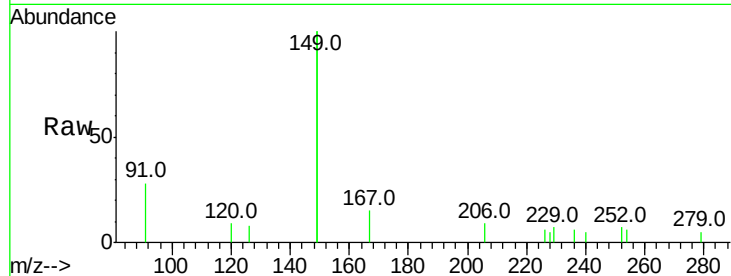




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.033 ng
 RT: 21.29 min Scan# 1644
 Delta R.T. -0.01 min
 Lab File: BE094006.D
 Acq: 14 Sep 2017 15:23

Instrument :
 BNA_E
 ClientSampleId :
 C-MW-09-090717

Tot Ion:149 Resp: 3109
 Ion Ratio Lower Upper
 149 100
 167 6.7 5.4 8.0
 279 1.3 0.7 1.1#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.93 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BE094006.D
 Acq: 14 Sep 2017 15:23

Tgt Ion:264 Resp: 10311
 Ion Ratio Lower Upper
 264 100
 260 26.6 20.0 30.0
 265 35.3 24.0 36.0

